

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)  
Subject: Re: Antenna Rotator Repair Parts  
Message-ID: <9508221408.AA23694@speckle.ncsl.nist.gov>

>

>Anyone know of a source for repair part for a CDE CD-44 rotor?  
>I am looking for the pot assembly for the rotator unit.

Norm's Rotor Service  
5263 Agro Drive  
Frederick, MD 21701  
301-874-5885

Rotor overhaul is \$35 plus parts.  
One day service is standard.  
COD add \$5  
Master Card, Visa  
Will call you with amount if you want to send check.

-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov  
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From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: Jodaanve@aol.com  
Subject: Books, catalogs, magazines FS  
Message-ID: <950822114642\_80466208@mail06.mail.aol.com>

BA gang,

I have more books and magazines FS along with some catalogs and reference material.  
Prices include postage if you purchase at least \$10 worth of literature at a time.  
I would like to thank everyone who responded to my previous postings.

Catalogs:

Allied Industrial Catalogs: 1964 thru 1974 would like to sell as a set for \$50

Radio Masters 1957, 1958, 1959/60 all three as a set for \$30

Concord Radio Corp. Radio parts catalog no date water damaged \$1

Moss Electronic Dist. Co. no date \$2

Heathkit Fall-Winter 1962-63 \$3

Craftsman Power Tools and Acc. 1957 \$3

Merit Coil and Xformer Co. Nice color pictures of WWII BA equipment \$10

Dumont Cathode Ray Tubes and Instruments First Edition Spring 1943 \$10

Sun Radio and Electronics Cat no 57 NY \$3

Books and others:

Elements of Electronics third edition Hickey and Williams \$12

Electronic Technician 1960 Vol 4 TV-Radio Schematics \$10

Howards Sam's TV Course 1948 \$7

Sams TV tube locator TGL-3 \$3

Cathode Ray O-scope Gernsback Library no 40 1949 \$10

Radios of the Baby Boom Era SAMS 1946-1960 Vol 3  
covers GE to Monitor Radio Corp \$10

Learning the Telegraph Code 1951 EXC \$ 7

License Manuals 1952 1 poor \$5, 1 VG \$8

E&E Radio Handbook 10th edition 1946 torn binding \$12

E&E Radio Handbook 13th edition 1951 VG \$15

E&E Radio Handbook 15th edition 1959 taped binding \$12

ham radio notebook volume 2 1975 good \$7

SSB Techniques CQ Technical Series 1954 \$7

The Rider Sound-n-Sight code course instruction book 1959 VG \$3

Magazines:

QST's missing covers \$3 each

Feb'21, Jun '27, Feb'29, Jul '30

Slight damage or loose covers \$4 each  
Feb '30, Aug '30, Oct '30, Nov '30, Dec '30

Good condx \$5 each  
Jun '30, Sept '30, Jul '39

All-Wave Craft Jan 1936 Vol 2 \$5

SW Craft Aug 1933 No Cover \$3

Radio News Dec 1940 \$5

Electronic Industries Oct 1944 \$4

Radio Television Technicians NRI 27th edition \$4

Electronics Dec 1944 no cover \$2

Radio Electronics March 1949 no cover, Aug '63, Jan '69 all three \$8

Radio March 1935, Nov 1935 tape on binding \$5 each

Remember, that shipping is included, fourth class book rate if you purchase  
\$10 worth  
Please e-mail directly to Jodaanve@AOL.com  
Thanks again for the bandwidth.

73,

Dave WB9EGZ

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: CRI-43007 (Re: FS/TRADE 28 to 80 MHz Military QRP)  
Message-ID: <Pine.SUN.3.91.950821194450.27674A-100000@coyote.rain.org>

Your CRI-43007 and CLG-20144 are part of the WW2 Navy Model TBY set. If  
you look closely under that "CRI-43007", you'll find two parallel lines  
with tiny print between them. It should say something like "A UNIT OF  
NAVY MODEL TBY EQUIPMENT" (or TBY-1 or TBY-2, etc.).

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Re: Detroit BA  
Message-ID: <88208.ddillman@igc.apc.org>

On Sat, 29 Jul 1995 16:47:24 GMT,  
Dan Poorman <dan.poorman@lsj.com> wrote:

> Haven't been there in 20 years. Not a "surplus"  
>store, but an old fashioned radio/tv supply store I think. One where  
>the guy behind the counter would probably not blink an eye if you asked  
>him for a "condenser".  
>  
>Let me know what you find, Dick. Ann Arbor is a suburb of Detroit, by  
>the way. Not terribly far from Metro Airport.

Greetings, Dan. I'm back from my trip, which included a visit to Purchase  
Radio, so here's my report.

I knew I was in a "real" radio store immediately - by the smell. I don't  
really know what makes up radio store smell, but like they say, you know it  
when you smell it. There was a good assortment of regular and fairly  
modern parts, but the real stuff was on the used equipment shelves and up  
on high shelves around the ceiling. The used equipment ranged from Heath  
to a tube and paralell line built on a board - a 5 meter oscillator,  
maybe? Much of this stuff was on consignment and none of it needed to  
follow me home to San Francisco from Michigan. Up around the ceiling was a  
vast assortment of mainly broadcast receivers from 50's vintage back  
through the 20's arranged in no particular order I could determine. Some  
older microphones, too.

Upstairs - apparently open by invitation only - was a very large inventory  
of tubes. Mostly sorted by type number too. More BC receivers and other  
odd bits up there too. Contact them if you're having a hard time finding a  
particular tube.

The counterman - Daniel McCollough, VP & General Manager, was very friendly  
and made me feel immediately at home, especially after I mentioned I'd come  
from California to see his shop. Clearly, he's a man who enjoys radios,  
his job, and meeting people.

I give it a rating of three stars, worth going out of your way to visit.

Purchase Radio  
327 E. Hoover Ave.  
Ann Arbor, MI 48104  
Phone 313-668-8696

Best Regards,

Dick Dillman/WPE2VT  
<ddillman@igc.apc.org>  
San Francisco

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: Jeffrey Herman <jeffrey@math.hawaii.edu>  
Subject: Re: DX-60()  
Message-ID: <Pine.SUN.3.91.950821164855.27062C-100000@kahuna>

On Mon, 21 Aug 1995, regarding the DX-60, penson wrote:  
> 6 Band AM/CW Transmitter

6? Was 10M split? I don't recall my 60B having a 6th band. There was certainly no 160M coverage.

Jeff NH6IL

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: haynes@cats.ucsc.edu (Jim Haynes)  
Subject: First Time Reception  
Message-ID: <199508220236.TAA12453@hobbes.UCSC.EDU>

>It also seems that I built that crystal set because I was already  
>interested in electricity, maybe from seeing the beautiful blue spark  
>when I put a hairpin in an outlet, bridging the two slots. (and why'd  
>I do that?)

Ah, yes. When I was about 2 years old my father was in the hospital for something, and I was taken to visit him. This old hospital had an electric socket on the wall, a lightbulb-type screw socket rather than one with parallel blades. So naturally I walked up to it and stuck my finger in. Wow! When I grow up I'm going to be an electrical engineer! or so they tell me.

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: KE8NEfix@aol.com  
Subject: FS. 6 and 2 meters AM rigs  
Message-ID: <950822105105\_80425629@mail04.mail.aol.com>

Hi Gang,

I have two radios here that decided that they want a new home. They are looking for some one that's wants to use them. I concur, so here's the post:

1. Gonset communicator IV. This is a 2 meter transceiver. I'm not sure whether it's crystal controlled transmit or not. I do have the manual for it. This will do 12VDC or 120VAC operation. I have both sets of power cables [I think]. I dont recall whether the manual is a copy or an original, but whichever it is, it goes along. \$60.00 shipped to your door conus.

2. Ameco 6 and 2 meter transmitter. This is definitely crystal controlled. I do have a pile of crystals for it. It also has a manual. It also had an outboard VFO available to make it non-rockbound. \$60..00 shipped to your door conus.

Both of these radios came from a SK estate and appear to be working, although I have not fired them up and so do not know about electrical condition. They appear to be in good shape cosmetically. I have not disassembled them so do not know about the internal condition either. I do know that they do not appear to have any holes drilled in them or any outboard modifications. If your really interested in the physical particulars, you can call me at 1-616-677-3706 and I will give you a detailed description of either. Heck, I'll even count the scratches.

Thanks for the attention,

73

KIM ke8nefix@aol.com

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: lstolz@tekelec.com (Lynn Stolz)  
Subject: FS: Ham Radio Books (lotsa BA related)  
Message-ID: <9508221500.AA01573@london.oh.tekelec.com>

I've been going through my library of radio books and need the shelf space. Most books are in good condition, ones that are not in the best of shape are priced accordingly.

RADIO BOOKS FOR SALE - all prices are PPD 4th Class Book Rate - inquiries to lstolz@tekelec.com.

PUBLISHER	TITLE....	
PUBL.DATE	PRICE....	
73 Inc	Semiconductor Handbook Vol 1	1970
5.00		
Allied Radio	Basic Electronics	1959

3.00		
Allied Radio	Radio Circuit Handbook	1961
4.00		
Ameco	AMECO Code Course	
3.00		
Ameco	Mastering The Morse Code	1969
3.00		
ARRL	A Course in Radio Fundamentals	1972
5.00		
ARRL	ARRL Electronics Data Book	1976
7.00		
ARRL	AX.25 Packet Radio Protocol	1984
5.00		
ARRL	FM and Repeaters	1982
5.00		
ARRL	FM and Repeaters	1972
5.00		
ARRL	FM and Repeaters	1972
5.00		
ARRL	FM and Repeaters	1982
5.00		
ARRL	GIL	1986
5.00		
ARRL	Hints & Kinks	1959
10.00		
ARRL	Hints & Kinks	1978
10.00		
ARRL	Hints & Kinks	1949
10.00		
ARRL	Hints & Kinks	1974
10.00		
ARRL	Hints & Kinks	1992
10.00		
ARRL	Hints & Kinks	1968
10.00		
ARRL	Hints & Kinks	1954
10.00		
ARRL	Hints & Kinks	1965
10.00		
ARRL	Hints & Kinks	1989
10.00		
ARRL	Learning the Radio Telegraph Code	1963
3.00		
ARRL	Mobile Manual	1968
8.00		
ARRL	Mobile Manual	1955
10.00		
ARRL	Operating an Amateur Station	1983

3.00		
ARRL	Operating an Amateur Station	1958
5.00		
ARRL	Radio Amateur's License Manual	1973
3.00		
ARRL	Radio Amateur's Operating Manual	1972
5.00		
ARRL	Radio Amateur's License Manual	1957
3.00		
ARRL	Radio Amateur's License Manual	1966
3.00		
ARRL	Single Sideband	1965
10.00		
ARRL	Single Sideband	1962
10.00		
ARRL	Single Sideband	1970
10.00		
ARRL	Single Sideband	1958
10.00		
ARRL	Single Sideband	1954
10.00		
ARRL	Solid State Design	1977
8.00		
ARRL	Specialized Communications Techniques	1975
8.00		
ARRL	The ARRL Operating Manual	1980
8.00		
Collector Books	Guide to Antique Radios	1992
10.00		
CQ	Command sets	1957
10.00		
CQ	Command sets	1957
10.00		
CQ	CQ Anthology 1945-1952	1958
10.00		
CQ	Mobile Handbook	1956
10.00		
CQ	Mobile Handbook	1953
10.00		
CQ	Surplus Schematics Handbook	1960
15.00		
CQ Communications	The 1994 Amateur Radio Almanac	1993
11.00		
CRB Research	CB Radio HACKer's Guide	1992
8.00		
Drake & Co.	Drake's Cyclopedia of Radio and Electronics	1935
25.00		
Editors & Engineers	Read Electronic Diagrams	1966



3.00			
Editors & Engineers	Surplus Radio Conversion Manual Vol 3		1960
15.00			
Fawcett	Best Electronics Projects		1963
5.00			
Federal Tel & Radio (ITT)	Reference Data for Radio Engineers		1944
20.00			
Federal Tel & Radio (ITT)	Reference Data for Radio Engineers		1949
20.00			
Gernsback Library	Servicing Transistor Radios		1959
8.00			
Ham Radio	Low & Medium Freq Scrapbook		1977
8.00			
Ham Radio	Novice Radio Guide		1974
10.00			
Harper	Applied Mathaematics for Technical Students		1943
8.00			
Hayden	Basic Electronics Vol 1-6		1955
15.00			
Hayden	Basic Electricity Vol 1-5		1978
15.00			
Hayden	Basic Solid-State Electronics Vol 1-5		1983
15.00			
International Rectifier	Hobby Project Manual		1969
3.00			
Jacobi	Ballast Tube Handbook		1988
8.00			
Jacobi	Ballast Tube Substitution Guide		1987
7.00			
Lindsay	1934 Short Wave Radio Manual		1987
7.00			
McGraw-Hill	The Founder's Touch		1965
15.00			
MFJ	Golden Classics of Yesteryear		1988
7.00			
Parker	Manl of Electronic Svcing Tests & Measurments		1985
10.00			
Popular Science	RADIO for the Millions (HB)		1945
10.00			
Prentice-Hall	Tested Electronics Troubleshooting Methods		1975
8.00			
Publications Intl.	The Basic Book of HAM RADIO		1978
5.00			
Radio Amateur Callbook	Radio Amateurs World Atlas		1970
3.00			
Radio Publications	VHF Handbook		1956
10.00			
Radio Shack	Electronics Data Book		1972

5.00			
Radio Shack	Engineer's Notebook		1981
4.00			
Radio Shack	Engineer's Notebook		1980
4.00			
Radio Shack	Transistor Projects Vol 1		1973
5.00			
RCA	Radiotron Designer's Handbook		1941
15.00			
RCA	Solid State Servicing		1973
5.00			
RCA	Transistor Manual		1967
5.00			
RCA	Transistor TV Circuitry		1965
2.00			
Reston Publishing	Oscilloscope Handbook		1974
8.00			
Rider	Basic Television Vol 3		1958
5.00			
Rider	Basic Television Vol 2		1958
5.00			
Rider	Basic Television Vol 1		1958
5.00			
Rider	Basic Television Vol 4		1958
5.00			
Rider	Basic Television Vol 5		1958
5.00			
Rider	Inside the Vacuum tube		1945
12.00			
Rider	Practical CB Radio Servicing		1968
8.00			
Sams	101 Easy CB Projects		1968
8.00			
Sams	Eliminating Engine Interference		1968
7.00			
Sams	Scanner-Monitor Servicing Data (SD-3)		1973
8.00			
Sams	Scanner-Monitor Servicing Data (SD-4)		1974
8.00			
Sams	Transistor Substitution Handbook		1972
3.00			
Tab	Latest Intelligence		1990
12.00			
Tab	Transmitter Hunting: RDF Simplified		1987
8.00			
Tab	Troubleshooting and Repairing Audio Eqpt		1987
8.00			
Wireless Press	Practical Wireless Telegraphy (HB)		1917

20.00

Ziff-Davis

Electronic Experimenter's Handbook

1964

5.00

--- Lynn Stolz N8AJ lstolz@tekelec.com

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995

From: jml@spider.lloyd.com (Jim Lockwood)

Subject: Heath Marauder 20M spur fix?

Message-ID: <m0skx3l-0010euC@spider.lloyd.com>

Shortly after Heath released the Marauder SSB transmitter it also released either a modification kit or at least a set of instructions for curing an out of band spurious emission from the transmitter. The out of band signal supposedly appeared somewhere around 13.9 Mc when operating CW at the low end of 20M.

If anyone can supply a copy of this modification, I'd be delighted to reimburse for copying and postage costs.

Failing that, I'd be interested in knowing how to determine if my Marauder has this change already in it.

Thanks in advance for any help....

Jim - km6nk

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995

From: "Marcotte, T F (T)" <TFMA@chevron.com>

Subject: Magic Tuning Eye Function?

Message-ID: <CPLAN030.TFMA.801834060095234FCPLAN030@ION.CHEVRON.COM>

From: Marcotte, T F (Tom)

Subject: Magic Tuning Eye Function?

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995

From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>

Subject: RE: Magic Tuning Eye Function?

Message-ID: <38600.owen@apollo.eeel.nist.gov>

In message Tue, 22 Aug 1995 08:42:20 -0500 (CDT),

"Marcotte, T F T" <TFMA@chevron.com> writes:

>

> From: Marcotte, T F (Tom)

> To: OPEN ADDRESSING SERVI-OPENADDR  
> Subject: Magic Tuning Eye Function?  
> Date: 1995-08-22 08:26  
> Priority:  
>  
> -----  
> -----  
> I recently made functional a Westinghouse rig that has a magic tuning eye  
> tube mounted such that its top sticks out of the panel so the user can see  
> it.  
>  
> The tube tested OK, whatever that means, but it doesn't do anything that I  
> would call magic.  
>  
> I think the type is 6C5.  
>  
> What is this magic tuning eye supposed to do? Does it have another  
> function as well as being a tuning gimic?  
>  
> 73 de tom  
>

The "magic eye" tube is a indicator used to indicate a change in voltage. It is generally connected to the AVC line such that at maximum AVC voltage (center of signal) the eye will close. If there is no indication of the pattern changing and from all indications the tube is good then either B+ bias is incorrect or signal to the grid is missing. Since there are usually only several resistors in the circuit and they are usually high value (1meg or so) than 1 or more could be bad. The grid is usually bypassed with a .1 to .05 uf cap check to be sure it's not shorted. Check to be sure AVC voltage is present also. There should be a definite change in the eye pattern as you tune across a signal.

73 Jim K4CGY

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: W3BJZ@aol.com  
Subject: NC-303  
Message-ID: <950822070813\_60291209@emout04.mail.aol.com>

For sale a very nice NC-303 for only \$275. Prefer pickup but will ship. Please call. Dave, W3BJZ (814) 487-7468 (eve)

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: Michael.J.Knudsen@att.com  
Subject: Re:Noisy fans; alternate solution  
Message-ID: <9508221640.AA22586@bock.ih.att.com>

Didn't Henry Radio or someone like that advertise an "Alpha" brand "vapor-phase cooled" linear back in the 70s? That probably meant a heat pipe, a closed liquid-vapor system that boils water or alcohol or whatever at the tube and dumps the heat out of fins at the other end. I had a ricebox stereo amp with such a setup -- really sci-fi looking setup, and quite effective.

Essentially a steam-cooled system that you don't have to keep adding water to. Peak the grid, dip the plate, watch the water level in the sight glass -- "over to you OM, I gotta go to the john for another cup of water."  
73, mike k w9nrd

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: Bill Smith <bilsmith@crl.com>  
Subject: Re: PRODUCT REVIEW: PALOMAR ENGINEERS R-X NOISE BRIDGE (model RX-100)  
Message-ID: <Pine.SUN.3.91.950822074623.14833B-100000@crl.crl.com>

Even with disclamers, still sounds like an adv. to me. The unit is ok for tuning around 50 ohms, but is not intended to be a real bridge. Too bad. Michael hopes the unit will be "well received"... it has been around for years! Has Michael seen the Autek RF-Analyst? It is not perfect either, and doesn't measure reactance, but seems useful.

I don't know of a brainless way to measure antenna reactance without expensive or sophisticated test gear. And, brainless, and without the test gear either, don't have a good way to measure antennas. But that may not be a subject for boatanchors.

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: johnmb <johnmb@nando.net>  
Subject: Radio Masters...  
Message-ID: <Pine.SUN.3.91.950822132747.26136C-100000@parsifal.nando.net>

I discovered a couple of copies of this publication in the various flotsam and jetsam of my move. Any relation to the "IC Master" folks of today? I'd check my copy here, but its in a box, because I'm moving to another building here at work too!

Sick of cardboard boxes...  
/john :-)

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: Bill Smith <bilsmith@crl.com>

Subject: Re: Removing packing foam residue  
Message-ID: <Pine.SUN.3.91.950822072241.14833A-100000@crl.crl.com>

Might also try WD-40. It is great for removing celophane tape, too.

73 de Bill AB6MT  
bilsmith@crl.com

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: Grant Youngman <gyoungma@gtetel.com>  
Subject: Re: Removing stubborn setscrews  
Message-ID: <Chameleon.950821214222.gyoungma@gyoungma.gtetel.com>

On Mon, 21 Aug 1995 20:40:52 -0500 (CDT) Bill Kleronomos wrote:  
snipping away ....

>

>Hopefully, the procedure I suggested might be an aid in an otherwise  
>impossible situation where the last resort might have been the destruction  
>of a hard to find part in a valued boatanchor- the recent experience posted  
>here of a gentleman with a seized SP-600 knob being one example. I have  
>used Hoppe's beneficially in BA restorations and at the office for some time  
>now as an anti-seize solution that sometimes works where nothing else does,  
>and without any trouble whatsoever.

Wish I'd known about this stuff BEFORE taking a hacksaw to that knob :-). Oh,  
well. The seized knob story had a reasonably happy ending, though -- the  
radio survived, AND I obtained a new knob through the generosity of a  
boatanchorite with a parts unit. So all is well ....

Grant/NQ5T

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Sayville Report  
Message-ID: <88190.ddillman@igc.apc.org>

Greetings, fellow enthusiasts. I've been away from the keyboard for three  
weeks and have just returned to begin wading through the 2,000 or so  
messages awaiting me. If you've sent me some personal email that has gone  
unanswered, please know that it doesn't mean I don't like you any more, I  
just haven't gotten to your message yet. I should be caught up by the end  
of the week.

My trip included a visit to Long Island, NY where I once again inspected the site of the famous Telefunken wireless station in Sayville. As many of you know, this is the station that was proven to be sending coded messages to Germany before the US entered WWI by amateur Charles Apgar. The Navy sent a detachment of Marines to confiscate the station which. After its military service it was owned by MacKay Radio and, most recently, by the FAA as a VOLMET and ATC station.

As part of my original research on the station I met Connie Currie, a local historian and former amateur who also had an interest in preserving the site. A couple of month ago I posted a note here asking boatanchorites to write the FAA asking that the remaining buildings not be demolished. I was very proud when Connie told me that many of you must have written since the FAA told her they had never before received so much mail about a FAA site. Connie has asked me to extend my thanks to you all, and I want to add my thanks as well.

This time my inspection of the station did not require that crawl under the fence and through the brambles. Connie now has the gate key and FAA personnel were there to let us into the one building that is still more or less secure (kids have made the site a meeting place with the result that many buildings have been burned including some that were there on my last visit).

We were let into the so-called arc building (as designated on the print we had) which still contained several Aerotron 5,000 Watt SSB transmitters and a TMC transmitter which unfortunately was gutted. There was also a coax patch bay (for 1 inch coax, mind you) and a hulking TMC dummy load the size of a couple of refrigerators. Sad to say, there was even some spray paint on these, so total destruction by the kids can't be far away.

We were also accompanied by Ralph Williams, a radio historian from Orient, Long Island. He and immediately had a meeting of the minds as we inspected everything in the building and beat through the undergrowth to locate the still existing anchors for the 500 ft. Telefunken mast. Some of these, as high as two story buildings, were overgrown with enormous vines and reminded me of the lost cities of the South American jungles. As you can see, I lead an active fantasy life.

The current state of affiars is that Connie is trying to get registered as a historic place and then find a group or society that can help turn it into a radio meuseum.

I'll keep you posted as things develop but you should know that your letters may be the only reason the remaining buildings are still standing.

Best Regards,

Dick Dillman/WPE2VT  
<ddillman@igc.apc.org>  
San Francisco

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: "Barry L. Ornitz" <ornitz@eastman.com>  
Subject: Re: Strange tube  
Message-ID: <Pine.ULT.3.91.950822104357.28793A-100000@dua150.kpt.emn.com>

On Mon, 21 Aug 1995, Bill Nelson wrote:

> I have a VERY large tube with a silver plated bottom section and water  
> cooling coil.  
> On the bottom, it has the number 2103. On the glass envelope, it says  
> "Amperex TBH 12-38". The number 8594 is just to the left of this. It  
> also has what may be a date code "74-12" to the right. It was made in  
> Holland. It has two large terminals on the top of the envelope.

I do not have any Amperex data here at work but I suspect this is an industrial power tube for either dielectric or induction heating. The numbering nomenclature is consistent with some other tubes described in a Philips book that discusses tubes for RF heating. For example two TBL 12/25 tubes are used to generate 40 KW at 27.12 MHz; a TBW 6/14 generates 7 KW at 200-800 kHz; other tubes mentioned include the TBL 7/8000, the TBH 6/17, and the TBL 12/38.

In general most of these tubes are ruggedized power triodes designed with exceptionally high plate and grid dissipations. Normally they ran as self-excited oscillators with unfiltered DC on the plates. I would expect your tube would make a good CW final but unless you know a user of a RF generator that needs this tube, you are not likely to find many buyers.

[If anyone is seriously interested I have seven new tubes for a LaRose dielectric heater, sockets, and filament transformers. These are basically ruggedized 3CX10000A3 Eimac tubes and they operated at 110 MHz in the original application. A single one in the right circuit will develop about 18 KW PEP out with 100 watts of drive into a 50 ohm resistor across the grid. Somehow I doubt if we have many from the California kilowatt crowd in this group! Maybe I should approach the wreck.audio phreaks. Heating the filament alone takes close to 800 watts so if you rate your Class A audio system on how much heat it puts out, these tubes should be ideal!]

73, Barry WA4VZQ ornitz@eastman.com



From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: Bill Smith <bilsmith@crl.com>  
Subject: TS-413 Signal Generator  
Message-ID: <Pine.SUN.3.91.950822082451.14833E-100000@crl.crl.com>

Hi, I have two TS-413 Military signal generators. They span from several KHZ to 40 MHZ, and have calibrated output in microvolts. Just the thing for tuning up an old boatanchor. Only one problem.. they have a tendency to drift.. badly. Have spent some time checking circuitry, and believe at this point that either the oscillator coils are heating and/or tube electrode changes are causing frequency instability. Wonder if anyone has had any experience with these units? As they stand, they are really not usable as test gear.

73 de Bill, AB6MT  
bilsmith@crl.com

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: "Barry L. Ornitz" <ornitz@eastman.com>  
Subject: Re: TS-413 Signal Generator  
Message-ID: <Pine.ULT.3.91.950822141121.29448B-100000@dua150.kpt.emn.com>

On Tue, 22 Aug 1995, Bill Smith wrote:

> Hi, I have two TS-413 Military signal generators.  
> Only one problem.. they have a tendency to drift.. badly.

I modified my TS-413 many years ago and it has been quite useable ever since. My biggest problem is now dial backlash. Drift at 28 MHz is now less than about 10 Hz after a half hour warmup. In addition to thoroughly cleaning the turret contacts and making sure everything was tightened down properly, I modified the power supply. I used a power zener regulator to replace the VR tube (minor drift improvement) and regulated DC on the filament of the 9002 oscillator tube (BIG improvement). Since the 9002 is difficult to find today (last production was 1963), current limiting the DC to the filament gives a soft start that prolongs the tube life. I used remote voltage sensing with a uA723 regulator to insure that the drop across the Pi filters was compensated for. This allows me to swap tubes without having to readjust the resistors in a more conventional LM317 type regulator circuit. I also added a small voltage variable capacitance diode with a 10-turn pot on the front panel to give me a fine tuning capability.

While not in keeping with a strictly hollow-state approach, I have been extremely happy with these modifications.

73, Barry WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: jproc@worldlinx.com  
Subject: Tube Manufacturers List  
Message-ID: <Chameleon.4.01.2.950822125109.jproc@>

Dear BA's,

I have an idea and I would like to solicit some input before  
expending any effort.

Would it be a useful project to compile a list of all manufacturers  
that made or are still making tubes? This list would include both name and  
house brands. I would volunteer to collect the raw data and summarize it  
for the archives. The best source of input data is of course, from  
this group and the easiest way would be to record the names from  
tube cartons augmented with a little research. If this is viable,  
is there any other data that should be collected at the same time?  
I was thinking that the makers name, location and country of origin  
would be the minimum data to collect.

What are everyone's thoughts?

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
-----

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: "Gable, Edward M" <emg@rfpo2.rfc.comm.harris.com>  
Subject: RE: Tube Manufacturers List  
Message-ID: <303A14E8@smtpgate.rfc.comm.harris.com>

>Would it be a useful project to compile a list of all manufacturers  
>that made or are still making tubes?  
clip clip  
>I was thinking that the makers name, location and country of origin

>would be the minimum data to collect.

>What are everyone's thoughts?

+++++=

I'm cool to the idea. I don't think most of us buy from manufacturer's anyway. We tend to buy at Flea Markets and from fellow collectors. I can't recall ever having a need for a list of now defunct tube manufacturers. The AWA compiled a list of over 200 manufacturers of the 201A tube, but that was a fun project with little practical value. My \$.02 worth...

Ed K2MP @ Rochester

emg@rfc.comm.harris.com

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995

From: jml@spider.lloyd.com (Jim Lockwood)

Subject: Re: Tube Manufacturers List

Message-ID: <m0sky30-0010j7C@spider.lloyd.com>

At 11:53 AM 8/22/95 -0500, jproc@worldlinx.com wrote:

>Dear BA's,

>

>I have an idea and I would like to solicit some input before  
>expending any effort.

>

>Would it be a useful project to compile a list of all manufacturers  
>that made or are still making tubes? This list would include both name and  
>house brands.

I think this is extremely useful information, but perhaps I can save you some effort. The magazine Glass Audio publishes once a year (maybe more often?) a list of manufacturers world wide who manufacture/distribute tubes and tube related hardware, such as power transformers, high voltage electrolytics, etc.

Since this sounds very similar to what you proposed, the project you envision might want to evolve into making the Glass Audio information available to BA members.

73,

Jim

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995

From: John Shriver <jas@shiva.com>

Subject: Re: UX-250

Message-ID: <199508221434.KAA03403@shiva-dev.shiva.com>

>From an OLD RCA HB-3, here's the tabular data:

Cunningham  
Radiotron  
RCA-50  
POWER AMPLIFIER

Filament	Coated	
Voltage	7.5	a-c or d-c volts
Current	1.25	amp.
Direct Interelectrode Capacitances:		
Grid to Plate	7.1	uuf
Grid to Filament	4.2	uuf
Plate to Filament	3.4	uuf
Maximum Overall Length		6-1/4"
Maximum Diameter	(2) (3)	2-7/16"
Bulb		ST-19
Base		Med. 4-Pin Bay.
Pin 1-Filament		Pin 3-Grid
Pin 2-Plate	(1) (4)	Pin 4-Filament

BOTTOM VIEW

AMPLIFIER (Class A)

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Operating Conditions and Characteristics:

Filament	7.5	7.5	7.5	7.5	a-c volts
Plate	300	350	400	450max.	volts
Grid*	-54	-63	-70	-84	volts
Amp. Fact.	3.8	3.8	3.8	3.8	
Plate Res.	2000	1900	1800	1800	ohms
Mut. Cond.	1900	2000	2100	2100	umhos
Plate Cur.	35	45	55	55	ma.
Load Res.	4600	4100	3670	4350	ohms
U.P.O.	1.6	2.4	3.4	4.6	watts

Self-bias is advisable in all cases. The resistance in the grid-coupling circuit should not exceed 10000 ohms.

\* Grid volts measured from mid-point of a-c operated filament.

JULY 1, 1935

From boatanchors@theporch.com Tue Aug 22 15:13:00 1995  
From: aa035@detroit.freenet.org (Hartland B. Smith)  
Subject: WALL SOCKETS  
Message-ID: <199508220257.WAA28996@detroit.freenet.org>

Anyone who remembers screw in wall plugs IS an old timer. And all of us old timers had to stick our fingers in those interesting places ONCE. Very few of us did it twice. :-)

However, W8FWA, a silent key and retired electrician used his finger as a voltmeter to check to see if a line was hot! I've seen him check a lamp socket to FEEL for the electricity. It had to be a lamp socket, since those old female screw in wall plugs haven't been around for a LONG time.

Remember how the cords used to wear out from being screwed in and out so many times? The rubber and cloth insulation finally just couldn't take that twisting any longer.

W8FWA passed away recently at the age of 96 from pneumonia, NOT an electrical shock!

Hart, W8QX